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Ip, M.T.W.; Lin, W.W.K.; Wong, A.K.Y.; Dillon, T.S.; Dianhui Wang;

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50 **Software architectures for collaborative proxies in wide area information systems**

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Database and Expert Systems Applications, 2001. Proceedings. 12th International Workshop on , 3-7 Sept. 2001

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Talukdar, S.;

Power Engineering Society Summer Meeting, 1999. IEEE , Volume: 2 , 18-22 1999

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56 **Individual and collaborative behaviors in a team of homogeneous robotic soccer agents**

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Buhr, R.J.A.; Elammari, M.; Gray, T.; Mankovski, S.;

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**KODAMA: as a distributed multi-agent system**

Guoqiang Zhong [Takahashi, K.](#) [Helmy, T.](#) [Takaki, K.](#) [Mine, T.](#) [Kusakabe, S.](#) [Ama](#)
 Graduate Sch. of Inf. Sci. & Electr. Eng., Kyushu Univ., Fukuoka, Japan;
*This paper appears in: **Parallel and Distributed Systems: Workshops, Se***
International Conference on, 2000

Meeting Date: 07/04/2000 - 07/07/2000

Publication Date: 4-7 July 2000

Location: Iwate Japan

On page(s): 435 - 440

Reference Cited: 8

Number of Pages: xiii+563

Inspec Accession Number: 6763150

Abstract:

With the explosion of the Internet, we are evolving a worldwide network computing environment. At this point, the surged challenge is the next evolutionary technology the Internet-oriented applications. A KODAMA (Kyushu university Open and Distributed Autonomous Multi-Agent) system is deployed for this demand. KODAMA system interconnect disparate and distributed agents together to solve some problem. The solution is typically beyond any singular agent's capabilities. The key aspects of agents are their autonomy, collaboration, flexibility, as well as stability. To obtain these features, an appropriate scheme of collaboration among agents is clearly required. Our new approach focuses on both raising the level of abstraction at which agents cooperate with each other, and hiding the implementation details of communication from agents.

Index Terms:

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The next software revolution

Talukdar, S.

Carnegie Mellon Univ., Pittsburgh, PA, USA;

This paper appears in: **Power Engineering Society Summer Meeting, 1999**

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Publication Date: 18-22 July 1999

Location: Edmonton, Alta. Canada

On page(s): 843 - 845 vol.2

Volume: 2

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Number of Pages: 2 vol. (xxiv+1373)

Inspec Accession Number: 6440595

Abstract:

We are on the threshold of another revolution in software technology. Previous revolutions have made it dramatically easier for people to write, distribute, use software. This revolution will provide software agents with the ability to do things for themselves. More specifically, it will provide the means for making software an autonomous (so that burdensome managerial superstructures become unnecessary) and collaborative (so agents can work together in large groups on big and difficult tasks).

Index Terms:

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